

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	"20070181231"	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2008/06/25 11:52
S2	4	"5658400"	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2008/06/25 12:13
S3	129	148/584.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2008/06/25 12:24
S4	295	uchino-koichi.in.	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2008/06/25 12:34
S5	149	uchino-koichi.in. and rail	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2008/06/25 12:35
S6	84	148/584.ccls. and rail	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2008/06/25 12:51
S7	341	ueda-masaharu.in. or pujita-kazuo.in. or matsushita-koichiro.in. or yamamoto-takeshi. in. or satoh-takuya.in.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/06/25 16:34
S8	303	ueda-masaharu.in. or pujita-kazuo.in. or matsushita-koichiro.in. or yamamoto-takeshi. in. or satoh-takuya.in. and rail same steel	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/06/25 16:34
S9	303	ueda-masaharu.in. or pujita-kazuo.in. or matsushita-koichiro.in. or yamamoto-takeshi. in. or satoh-takuya.in. and rail same steel same (method or process)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/06/25 16:35

S10	9	S9 and ((carbon or C) same (silicon or Si) same (manganese or Mn) same (boron or B))	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/06/25 16:36
S11	19	148/584.ccls. and ((carbon or C) same (silicon or Si) same (manganese or Mn) same (boron or B))	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2008/06/25 16:45
S12	56	((carbon or C) same (silicon or Si) same (manganese or Mn) same (boron or B)) same steel rail	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2008/06/25 16:46
S13	123	((carbon or C) same (silicon or Si) same (manganese or Mn) same (boron or B)) same steel same rail	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2008/06/25 16:46
S14	149	uchino-koichi.in. and rail and (carbon or C) and steel	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2008/06/25 16:50
S15	77	uchino-koichi.in. and rail and (carbon or C) and steel and (method or process or manufacture or manufacturing)	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2008/06/25 16:51
S16	420	148/330.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2008/12/30 17:09
S17	204	420/99.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2008/12/30 17:10
S18	464	420/121.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2008/12/30 17:10
S19	138	420/128.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2008/12/30 17:11

S20	264	((carbon or C) same (silicon or Si) same (manganese or Mn) same (boron or B) same (nitrogen or N) same (iron or Fe or alloy or steel)) and rail	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2008/12/30 17:12
S21	13386	((carbon or C) same (silicon or Si) same (manganese or Mn) same (boron or B) same (nitrogen or N) same (iron or Fe or alloy or steel))	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2008/12/30 17:12
S22	2	"11350075"	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2008/12/30 17:12
S23	130	148/584.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2008/12/30 17:13
S24	1283	S23 or S16 or S17 or S18 or S19	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2008/12/30 17:13
S25	326	S21 and S24	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2008/12/30 17:13
S26	11	S21 and S24 and rail	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2008/12/30 17:13
S27	236	S21 and S24 and roll \$4	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2008/12/30 17:13
S28	159	S21 and S24 and roll \$4 and rate	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2008/12/30 17:13
S29	455	148/330.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2009/09/03 17:19
S30	205	420/99.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2009/09/03 17:19

S31	473	420/121.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2009/09/03 17:19
S32	143	420/128.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2009/09/03 17:19
S33	130	148/584.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2009/09/03 17:19
S34	1329	S33 or S29 or S30 or S31 or S32	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2009/09/03 17:19
S35	13758	((carbon or C) same (silicon or Si) same (manganese or Mn) same (boron or B) same (nitrogen or N) same (iron or Fe or alloy or steel))	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2009/09/03 17:19
S36	357	S35 and S34	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2009/09/03 17:19
S37	11	S35 and S34 and rail	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2009/09/03 17:19
S38	266	S35 and S34 and roll \$4	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2009/09/03 17:19
S39	184	S35 and S34 and roll \$4 and rate	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2009/09/03 17:20
S40	220	S35 and S34 and roll \$4 and time	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2009/09/03 17:21
S41	3	"03085149"	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2010/03/16 14:40

S42	4	"03085149"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/03/16 14:41
S43	2	"20040187981"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2010/03/16 15:03
S44	8	"5458703"	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2010/03/16 16:18
S45	3879	((carbon or C) same (silicon or Si) same (manganese or Mn) same (boron or B) same (nitrogen or N) same (zirconium or Zr) same (iron or Fe or alloy or steel))	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2010/03/16 16:36
S46	52	S45 and rail	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2010/03/16 16:36
S47	4	"6413328"	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2010/03/16 16:42
S48	9	"6447619"	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2010/03/16 16:43
S49	2	"5648044"	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2010/03/16 16:58
S50	6	"5762723"	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2010/03/17 10:22
S51	6	"4426236"	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2010/03/17 10:33

S52	1178	((carbon or C) and (silicon or Si) and (manganese or Mn) and (boron or B) and (nitrogen or N) and (zirconium or Zr) and (iron or Fe or alloy or steel)) and rail	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2010/03/17 10:38
S53	27	S52 and pearlit\$3	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2010/03/17 10:39
S54	12	"4375995"	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2010/03/17 11:05
S55	480	148/330.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2010/03/17 16:47
S56	207	420/99.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2010/03/17 16:47
S57	481	420/121.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2010/03/17 16:47
S58	151	420/128.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2010/03/17 16:47
S59	131	148/584.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2010/03/17 16:47
S60	1369	S59 or S55 or S56 or S57 or S58	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2010/03/17 16:47
S61	14076	((carbon or C) same (silicon or Si) same (manganese or Mn) same (boron or B) same (nitrogen or N) same (iron or Fe or alloy or steel))	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2010/03/17 16:47

S62	383	S61 and S60	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2010/03/17 16:47
S63	11	S61 and S60 and rail	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2010/03/17 16:47
S64	291	S61 and S60 and roll \$4	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2010/03/17 16:47
S65	204	S61 and S60 and roll \$4 and rate	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2010/03/17 16:47
S66	244	S61 and S60 and roll \$4 and time	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2010/03/17 16:47
S67	4010	((carbon or C) same (silicon or Si) same (manganese or Mn) same (boron or B) same (nitrogen or N) same (zirconium or Zr) same (iron or Fe or alloy or steel))	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2010/09/28 10:06
S68	53	S67 and rail	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2010/09/28 10:06
S69	1290	((carbon or C) and (silicon or Si) and (manganese or Mn) and (boron or B) and (nitrogen or N) and (zirconium or Zr) and (iron or Fe or alloy or steel)) and rail	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2010/09/28 10:07
S70	29	S69 and pearlit\$3	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2010/09/28 10:07
S71	505	148/330.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2010/09/28 10:09

S72	209	420/99.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2010/09/28 10:09
S73	491	420/121.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2010/09/28 10:09
S74	158	420/128.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2010/09/28 10:09
S75	133	148/584.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2010/09/28 10:09
S76	1413	S75 or S71 or S72 or S73 or S74	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2010/09/28 10:09
S77	14466	((carbon or C) same (silicon or Si) same (manganese or Mn) same (boron or B) same (nitrogen or N) same (iron or Fe or alloy or steel))	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2010/09/28 10:09
S78	411	S77 and S76	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2010/09/28 10:09
S79	15	S77 and S76 and rail	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2010/09/28 10:09
S80	318	S77 and S76 and roll \$4	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2010/09/28 10:09
S81	230	S77 and S76 and roll \$4 and rate	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2010/09/28 10:09
S82	271	S77 and S76 and roll \$4 and time	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2010/09/28 10:09



S83	4181	((carbon or C) same (silicon or Si) same (manganese or Mn) same (boron or B) same (nitrogen or N) same (zirconium or Zr) same (iron or Fe or alloy or steel))	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2011/03/05 22:07
S84	55	S83 and rail	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2011/03/05 22:07
S85	1380	((carbon or C) and (silicon or Si) and (manganese or Mn) and (boron or B) and (nitrogen or N) and (zirconium or Zr) and (iron or Fe or alloy or steel)) and rail	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2011/03/05 22:07
S86	31	S85 and pearlit\$3	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2011/03/05 22:07
S87	525	148/330.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2011/03/05 22:08
S88	211	420/99.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2011/03/05 22:08
S89	494	420/121.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2011/03/05 22:08
S90	161	420/128.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2011/03/05 22:08
S91	134	148/584.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2011/03/05 22:08
S92	1440	S91 or S87 or S88 or S89 or S90	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2011/03/05 22:08

S93	15018	((carbon or C) same (silicon or Si) same (manganese or Mn) same (boron or B) same (nitrogen or N) same (iron or Fe or alloy or steel))	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2011/03/05 22:08
S94	433	S93 and S92	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2011/03/05 22:08
S95	16	S93 and S92 and rail	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2011/03/05 22:08
S96	339	S93 and S92 and roll \$4	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2011/03/05 22:08
S97	247	S93 and S92 and roll \$4 and rate	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2011/03/05 22:10
S98	291	S93 and S92 and roll \$4 and time	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2011/03/05 22:10

**EAST Search History (Interference)**

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